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(54) Composite tubular woven seal for gas turbine nozzle and shroud interface

(57) A compliant woven tubular seal (70) is provided in an arcuate cavity opening through an axial face of a plurality of shroud segments in opposition to a nozzle retaining ring. The annular composite tubular woven compliant seal includes a stainless steel inner metal core (78) surrounded by an annular layer of silica fiber (80). Surrounding the silica fiber is a metal foil (82) which prevents flow past the supplemental seal. An outer wear-resistant braiding (84) serves as a protective covering and wear surface.

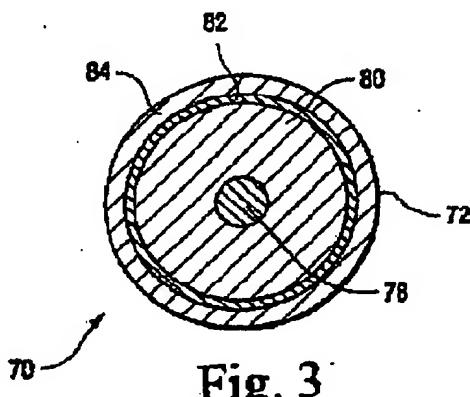


Fig. 3

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## EUROPEAN SEARCH REPORT

Application Number

EP 02 25 8877

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Category	Citation of document with indication, where appropriate, of relevant passages	Relevant to claim	CLASSIFICATION OF THE APPLICATION (Int.Cl.)
A	US 5 372 476 A (HEMMELGARN ET AL) 13 December 1994 (1994-12-13) * abstract; figures *	1,3	F02C7/28 F01D11/00 F16J15/08
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The present search report has been drawn up for all claims			
Place of search	Date of completion of the search	Examiner	
THE HAGUE	5 December 2003	Narminio, A	
CATEGORY OF CITED DOCUMENTS			
X : particularly relevant if taken alone Y : particularly relevant if combined with another document of the same category A : technological background G : non-written disclosure P : intermediate document			
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